

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Claims 12-21 are currently being amended. Claims 24-26 are being added. No new matter is added.

This amendment adds and changes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending the claims as set forth above, claims 1-8 and 12-26 are now pending in this application.

Allowable subject matter

Applicant appreciates the indication that claims 1-8 are allowed.

Rejection under 35 U.S.C. § 102

Claims 12-21 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. 2003/0230799 to Yee (“Yee”). Applicant respectfully traverses this rejection for at least the following reasons.

Claim 12

Independent claim 12 recites “a pad formed above said insulating layer, and said pad receiving a signal; an external bump electrode formed above said insulating layer, and electrically connected to said pad; and a dummy bump electrode formed above said insulating layer, and connected to said external bump electrode.” Thus in claim 12, the dummy bump electrode is connected to an external bump electrode, which is electrically connected to a pad receiving a signal. Yee fails to suggest at least this feature of claim 12.

In contrast to claim 12, the dummy ball contacts 68a''' of Yee are not connected to an external bump electrode which is electrically connected to a pad receiving a signal. Rather the dummy ball contacts 68a''' of Yee are connected via traces 70''' to ball contacts 20a'',

which are connected to a ground signal VSS (See FIG. 11, paragraph [0076]). Notably, Yee does not disclose that the dummy ball contacts 68a''' are connected to the ball contacts 20''', which are the signal pins (See FIG. 11, paragraph [0076]). Thus, Yee fails to disclose or suggest as in claim 12, a dummy bump electrode connected to an external bump electrode, which is electrically connected to a pad receiving a signal.

Claim 19

Independent claim 19 recites "an external bump electrode formed above said semiconductor chip corresponding to said pad; a dummy bump electrode formed above said semiconductor chip; a first wiring connected between said external bump electrode and said dummy bump electrode; and a second wiring connected between a center of said first wiring or a portion near to said external bump electrode from said center of said first wiring and said pad." Thus in claim 19, the second wiring is connected between a center of the first wiring (connected between the external bump electrode and the dummy bump electrode) or a portion near to the external bump electrode from the center of the first wiring and the pad. Yee fails to disclose or suggest the second wiring as recited in claim 19, and thus fails to anticipate that claim.

Claim 24

New claim 24 is presented, and is also believed to be patentable over Yee.

The dependent claims are patentable for at least the same reasons as their respective independent claims, as well as for further patentable features recited therein.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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